L Number	Hits	Search Text	DB	Time stamp
1	835	(((((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or	USPAT;	2004/06/17 10:56
		(ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe)	US-PGPUB;	
		adj ((random adj access adj memor\$4) or RAM\$1)) or FeRAM\$1 or	ЕРО; ЈРО;	
		Fe-RAM\$1) or (((ferroelectric\$3 or ferro-electric\$3 or (ferro adj	DERWENT;	
		electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj	IBM_TDB	
		dielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or		
		lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1		
		or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj		
		electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj		
		dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj		
}		polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)		
2	497	(((((capacitor or capacitors) or (DRAM\$1 or (dynamic adj random adj	USPAT;	2004/06/17 10:57
		access adj memor\$4) or dynamic-random-access-memor\$4)) and	US-PGPUB;	
		((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or	ЕРО; ЈРО;	
		(ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and	DERWENT;	
		(CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4	IBM_TDB	
		or planariz\$8 or chemical-mechanical-polish\$4)) and ((bottom or lower)		
		adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or		
		plate\$1))) NOT ((((((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj		
		electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj		
		dielectric\$1)) or Fe) adj ((random adj access adj memor\$4) or RAM\$1))		
ŀ		or FeRAM\$1 or Fe-RAM\$1) or (((ferroelectric\$3 or ferro-electric\$3 or	i	
		(ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro		
		adj dielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or		
		lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1		
		or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj		
1		dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj		
		polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4))	ŀ	
	i	ponsition) of ponsition of planarizon of chemical-mechanical-ponsition)	l	

3	318	((((bottom or lower) adj (electrode\$1 or plate\$1)) with (CMP or "CMP"	USPAT;	2004/06/17 10:57
		or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or	US-PGPUB;	
	ļ	chemical-mechanical-polish\$4)) and (((((((ferroelectric\$3 or	ЕРО; ЈРО;	
		ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or	DERWENT;	
	1	ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj ((random adj	IBM_TDB	
		access adj memor\$4) or RAM\$1)) or FeRAM\$1 or Fe-RAM\$1) or		
		(((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or		
		(ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe)		
		adj (capacitor or capacitors))) and ((bottom or lower) adj (electrode\$1 or		
		plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) and		
		((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or		
		(ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and		
	ŀ	(CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4		
		or planariz\$8 or chemical-mechanical-polish\$4))) or ((((bottom or		
		lower) adj (electrode\$1 or plate\$1)) with (CMP or "CMP" or (chemical		
		adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or		
		chemical-mechanical-polish\$4)) and (((((capacitor or capacitors) or		
		(DRAM\$1 or (dynamic adj random adj access adj memor\$4) or		
	i	dynamic-random-access-memor\$4)) and ((ferroelectric\$3 or		
	ļ	ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or		
		ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or		
		(chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or		
		chemical-mechanical-polish\$4)) and ((bottom or lower) adj (electrode\$1		
	1	or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) NOT		
ĺ		(((((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe)		
		adj ((random adj access adj memor\$4) or RAM\$1)) or FeRAM\$1 or		
		Fe-RAM\$1) or (((ferroelectric\$3 or ferro-electric\$3 or (ferro adj		
		electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj		
		dielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or		
		lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1		
		or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj		
		electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj		
		dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj		
		polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4))))		
4	1332	((((((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or	USPAT;	2004/06/17 10:57
		(ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe)	US-PGPUB;	
		adj ((random adj access adj memor\$4) or RAM\$1)) or FeRAM\$1 or	ЕРО; ЈРО;	
		Fe-RAM\$1) or (((ferroelectric\$3 or ferro-electric\$3 or (ferro adj	DERWENT;	
		electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj	IBM_TDB	
,		dielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or		
		lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1		
		or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj		
		electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj		
		dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj		
		polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4))		
		or (((((((capacitor or capacitors) or (DRAM\$1 or (dynamic adj random		
		adj access adj memor\$4) or dynamic-random-access-memor\$4)) and		
		((ferroelectric\$3 or ferro-electric\$3) or		
		(ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and		'
		(CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4		
		or planariz\$8 or chemical-mechanical-polish\$4)) and ((bottom or lower)		
		adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or		
		plate\$1))) NOT (((((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj		
		electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj ((random adj access adj memor\$4) or RAM\$1))		
		or FeRAM\$1 or Fe-RAM\$1) or (((ferroelectric\$3 or ferro-electric\$3 or		
		((refroelectrics of re-ray)) or ((refroelectrics of refro-electrics)) or (ferrodielectrics) or (ferrodielectrics)		1
		adj dielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or		
		lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1		
-		or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj		
		electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj		
		dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj		
		polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)))		
	1	position of position of partital Equation of chemical-incommental position (1)	L	L

5	1014	((((((((((((((((((((((((((((((((((((((USPAT;	2004/06/17 11:29
J	1014	((((((((terrochectric\$5 of ferro-dielectric\$1) or (ferro adj dielectric\$1)) or Fe)	US-PGPUB;	2004/00/17 11:29
		adj ((random adj access adj memor\$4) or RAM\$1)) or FeRAM\$1 or	ЕРО; ЛРО;	
		Fe-RAM\$1) or (((ferroelectric\$3 or ferro-electric\$3 or (ferro adj	DERWENT,	
		electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj	IBM_TDB	
		dielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or		
		lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1		
		or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj		
		electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj		
		dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj		
		polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4))		
		or (((((((capacitor or capacitors) or (DRAM\$1 or (dynamic adj random		
		adj access adj memor\$4) or dynamic-random-access-memor\$4)) and	1	
		((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or		
		(ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and		
		(CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)) and ((bottom or lower)		
	ļ	adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or		
		plate\$1))) NOT (((((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj		
		electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj		
		dielectric\$1)) or Fe) adj ((random adj access adj memor\$4) or RAM\$1))		
		or FeRAM\$1 or Fe-RAM\$1) or (((ferroelectric\$3 or ferro-electric\$3 or		
		(ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro		
		adj dielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or		
		lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1	ĺ	
		or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj		
		electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj		•
		dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj		
		polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4))))		
		not (((((bottom or lower) adj (electrode\$1 or plate\$1)) with (CMP or		
		"CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or		
		planariz\$8 or chemical-mechanical-polish\$4)) and (((((((ferroelectric\$3		
		or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or		
		ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj ((random adj access adj memor\$4) or RAM\$1)) or FeRAM\$1 or Fe-RAM\$1) or		
		(((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or		
		((ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe)		
		adj (capacitor or capacitors))) and ((bottom or lower) adj (electrode\$1 or		
		plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) and		
		((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or		
		(ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and	į	
		(CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4		
		or planariz\$8 or chemical-mechanical-polish\$4))) or ((((bottom or		
		lower) adj (electrode\$1 or plate\$1)) with (CMP or "CMP" or (chemical		
		adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or		
		chemical-mechanical-polish\$4)) and ((((((capacitor or capacitors) or		
		(DRAM\$1 or (dynamic adj random adj access adj memor\$4) or		
		dynamic-random-access-memor\$4)) and ((ferroelectric\$3 or		
		ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or		
		ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or	1	
		chemical-mechanical-polish\$4)) and ((bottom or lower) adj (electrode\$1		
		or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) NOT		
		((((((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or	1	
		(ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe)		
		adj ((random adj access adj memor\$4) or RAM\$1)) or FeRAM\$1 or		
		Fe-RAM\$1) or (((ferroelectric\$3 or ferro-electric\$3 or (ferro adj		
		electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj		
		dielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or		
		lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1		
		or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj		
		electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj		
		dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj		
		polish\$4) or polish\$4 or planariz\$8 or		
Search Histo	ry - 6/17/04	Lebenical-mechanical-polish\$4)))))	<u></u>	

6	1282	(438/3).CCLS.	USPAT;	2004/06/17 11:30
	1202	(430/3).CCLS.	US-PGPUB	2004/00/17 11:50
7	1057	(438/240).CCLS.	USPAT; US-PGPUB	2004/06/17 11:30
9	1461	((438/240).CCLS.) or (((438/250) or (438/393)).CCLS.)	USPAT; US-PGPUB	2004/06/17 11:31
8	526	((438/250) or (438/393)).CCLS.	USPAT; US-PGPUB	2004/06/17 14:15
-	41690	ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)	USPAT; US-PGPUB;	2004/06/16 09:35
-	1193	ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)	EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/16 09:36
-	3529	(((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj ((random adj access adj memor\$4) or RAM\$1)) or FeRAM\$1 or Fe-RAM\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/06/16 09:39
-	4819	((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj (capacitor or capacitors)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/16 09:40
-	7012	((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj ((random adj access adj memor\$4) or RAM\$1)) or FeRAM\$1 or Fe-RAM\$1) or (((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj (capacitor or capacitors))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/16 09:40
-	168228	(bottom or lower) adj (electrode\$1 or plate\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/16 09:41
-	154461	(top or upper) adj (electrode\$1 or plate\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	
-	2316	(((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj ((random adj access adj memor\$4) or RAM\$1)) or FeRAM\$1 or Fe-RAM\$1) or (((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/16 09:43
-	2280	(((((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj ((random adj access adj memor\$4) or RAM\$1)) or FeRAM\$1 or Fe-RAM\$1 or (((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/16 09:44

-	277894	CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4	USPAT;	2004/06/16 09:45
		or planariz\$8	US-PGPUB; EPO; JPO; DERWENT;	
-	277894	CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/06/16 09:46
_	834	(((((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or	DERWENT; IBM_TDB USPAT;	2004/06/17 10:55
		(ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj ((random adj access adj memor\$4) or RAM\$1)) or FeRAM\$1 or Fe-RAM\$1) or (((ferroelectric\$3 or ferro-electric\$3 or (ferro adj	US-PGPUB; EPO; JPO; DERWENT;	200 110010
		electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj	IBM_TDB	
		electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)		
-	576275	capacitor or capacitors	USPAT; US-PGPUB; EPO; JPO;	2004/06/16 09:51
-	98486	DRAM\$1 or (dynamic adj random adj access adj memor\$4) or	DERWENT; IBM_TDB USPAT;	2004/06/16 09:52
		dynamic-random-access-memor\$4	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	
-	643620	(capacitor or capacitors) or (DRAM\$1 or (dynamic adj random adj access adj memor\$4) or dynamic-random-access-memor\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/06/16 09:52
-	13767	((capacitor or capacitors) or (DRAM\$1 or (dynamic adj random adj access adj memor\$4) or dynamic-random-access-memor\$4)) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/06/16 09:52
	2447	((ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1))) (((capacitor or capacitors) or (DRAM\$1 or (dynamic adj random adj	DERWENT; IBM_TDB USPAT;	2004/06/16 09:53
-	2447	access adj memor\$4) or dynamic-random-access-memor\$4)) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4	US-PGPUB; EPO; JPO; DERWENT; IBM TDB	200 (100) 10 07:33
_	1325	or planariz\$8 or chemical-mechanical-polish\$4) ((((capacitor or capacitors) or (DRAM\$1 or (dynamic adj random adj	USPAT;	2004/06/16 09:54
		access adj memor\$4) or dynamic-random-access-memor\$4)) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj polich\$4) or polich\$4	US-PGPUB; EPO; JPO; DERWENT; IBM TDB	
		(CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)) and ((bottom or lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))	mw_1Db	

access adj memors 4) or dynamic-random-access-memors 4)) and (((ferroelectrics3)) or (ferroelectrics3)) or (ferroelectrics3)) or (ferroelectrics3)) or (ferroelectrics3) or (ferro adj dielectrics3)))) and ((DMP or *CMP" or (chemical adj mechanical adj polish\$4) or planariz\$8 or chemical-mechanical-polish\$4)) and ((bottom or lower) adj (electrodes1) or plate\$1)) and ((top or upper) adj (electrodes3) or (ferroelectrics3) or (ferro adj dielectrics3)) or (ferrodelectrics3) or (ferroelectrics3) or (ferro adj dielectrics3)) or (ferrodelectrics3) or (ferroelectrics3) or (ferroe					
Clottom or lower) adj (electrode\$1 or plate\$1)) with (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4) Clottom or lower) adj (electrode\$1 or plate\$1)) with (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4) and (((((((((((((((((((((((((((((((((((496	((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)) and ((bottom or lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) NOT ((((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj ((random adj access adj memor\$4) or RAM\$1)) or FeRAM\$1 or Fe-RAM\$1) or (((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$3)))) and (CMP or "CMP" or (chemical adj mechanical adj	EPO, JPO, DERWENT,	2004/06/17 10:56
((((bottom or lower) adj (electrode\$1 or plate\$1)) with (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)) and ((((((((ferroelectric\$3) or (ferro-dielectric\$1)) or ferro-dielectric\$1)) or ferro-dielectric\$3)) or ((((((iferroelectric\$3)) or (ferro adj electric\$3))) or (((((iferroelectric\$3)) or (((((iferroelectric\$3))) or (((((iferroelectric\$3))) and (((((iferroelectric\$3)))) and ((((((iferroelectric\$3)))) and ((((((iferroelectric\$3)))) and (((((((iferroelectric\$3))))) and (((((((iferroelectric\$3))))) and (((((((iferroelectric\$3)))))) and ((((((((iferroelectric\$3)))))) and (((((((((iferroelectric\$3))))))) and (((((((((((((((((((((((((((((((((((-	1629	((bottom or lower) adj (electrode\$1 or plate\$1)) with (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or	US-PGPUB; EPO; JPO; DERWENT;	2004/06/16 10:14
- 132 (((bottom or lower) adj (electrode\$1 or plate\$1)) with (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)) and (((((capacitor or capacitors) or (DRAM\$1 or (dynamic adj random adj access adj memor\$4) or dynamic-random-access-memor\$4)) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$1))) and (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)) and ((bottom or lower) adj (electrode\$1 or plate\$1)) NOT (((((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$1))) or Fe) adj ((random adj access adj memor\$4) or RAM\$1) or Fe-RAM\$1) or (((ferroelectric\$3 or ferro-electric\$3 or ferro-electric\$3 or (ferro adj		186	or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)) and ((((((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) or (ferrodielectric\$1 or ferro-dielectric\$1) or Fe) adj ((random adj access adj memor\$4) or RAM\$1)) or FeRAM\$1 or Fe-RAM\$1) or (((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or lower) adj (electrode\$1 or plate\$1)) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj electric\$3))) and (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/06/16 10:15
electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)))		132	(((bottom or lower) adj (electrode\$1 or plate\$1)) with (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)) and (((((capacitor or capacitors) or (DRAM\$1 or (dynamic adj random adj access adj memor\$4) or dynamic-random-access-memor\$4)) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)) and ((bottom or lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) NOT (((((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj electric\$1)) or Fe) adj ((random adj access adj memor\$4) or RAM\$1)) or FeRAM\$1 or Fe-RAM\$1) or ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) or (ferrodielectric\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$1)))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) or (ferrodielectric\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj electric\$3)))) and (CMP or "CMP" or (chemical adj mechanical adj	US-PGPUB; EPO; JPO; DERWENT;	2004/06/16 10:15

or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4) and ((((((((ferroelectric\$3 or ferro-electric\$3 or ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$3 or ferro adj electric\$3)) or FenaM\$1 or FenaM\$1) or (((ferroelectric\$3 or ferro-electric\$3 or (ferro adj dielectric\$1)) or Fe) adj ((random adj access adj memor\$4) or RAM\$1) or ((ferroadj dielectric\$3)) or (ferrodielectric\$3 or ferro-electric\$1 or (ferro adj dielectric\$1))) or Fe) adj (capacitor or capacitor\$))) and ((bottom or lower) adj (electrode\$1 or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj electric\$1)))) and (CMP or "CMP" or (chemical adj polish\$4)) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)) or ((((bottom or lower) adj (electrode\$1 or plate\$1))) and ((((((capacitor or capacitor\$) or (DRAM\$1 or (dynamic adj random adj access adj memor\$4) or dynamic-random-access-memor\$4)) and ((((((capacitor or capacitor\$) or (DRAM\$1 or (dynamic adj electric\$3))) or (ferro-electric\$3 or (ferro adj electric\$3)) or (ferro-electric\$3) or (ferro-adj electric\$3)) or (ferro-electric\$3) or (ferro-adj electric\$3)) or (ferro-adj electric\$3) or (ferro-adj electric\$3) or (ferro-adj electric\$3)) or (ferro-adj electric\$3) or (ferro-adj electric\$3)) or (ferro-adj electric\$3)) or (ferro-adj electric\$3) or (ferro-adj electric\$3)) or (ferro-adj electr				
chemical-mechanical-polish\$4)) and (((((((ferroelectric\$3) or (ferro-dielectric\$3) or (ferro-dielectric\$1) or (ferro-dielectric\$1) or (ferro-dielectric\$1) or (ferro-dielectric\$1) or (ferro-dielectric\$1) or (ferro-dielectric\$3) or (ferro-dielectric\$3)) and ((bottom or lower) adj (electrode\$1) or plate\$1)) and ((fop or upper) adj (electrode\$1 or plate\$1))) and ((fop or upper) adj (electrode\$1 or plate\$1))) and ((CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)) or (((bottom or lower) adj (electrode\$1 or plate\$1))) with (CMP or "CMP" or (chemical adj mechanical adj polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)) and (((capacitor or capacitors)) or (DRAM\$1 or (dynamic adj random adj access adj memor\$4) or dynamic-random-access-memor\$4)) and ((ferroelectric\$3) or (ferro-dielectric\$1) or (ferro-adj electric\$3)) or (ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and ((CMP or "CMP" or (chemical adj mechanical adj polish\$4)) and ((bottom or lower) adj (electrode\$1 or plate\$1))) and ((fop or upper) adj (electrode\$1 or plate\$1))) or Ferro-dielectric\$1 or (ferro adj electric\$3) or (ferro-dielectric\$3) or (ferro-dielectric\$3) or (ferro-dielectric\$3) or (ferro-dielectric\$3)) or (ferrodielectric\$1) or ferro-dielectric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1) or ferro-dielectric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1) or ferro-dielectric\$3) or (ferro-dielectric\$3)) or (ferrodielectric\$3)) or (ferrodielectric\$3) or (ferro-dielectric\$3) or (ferro-dielectric\$3)) or (ferrodielectric\$3)) or (ferrodielectric\$3) or (ferro-dielectric\$3) or (ferro-dielectric\$3)) or (ferrodielectric\$1) or ferro-dielectric\$3 or (ferro adj electroc\$1)) or Ferro-dielectric\$3) or (ferro-dielectric\$1) or (ferro-adj electric\$1)) or Ferro-dielectric\$1 or (ferro-adj electric	- 318	((((bottom or lower) adj (electrode\$1 or plate\$1)) with (CMP or "CMP"	USPAT;	2004/06/17 10:57
ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj ((random adj access adj memor\$4) or RAM\$1)) or FeRAM\$1) or (((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj electric\$3)) or (ferrodielectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) and (CMP or "CMP" or (chemical adj mechanical adj polish\$4)) or ((((bottom or lower) adj (electrode\$1 or plate\$1))) with (CMP or "CMP" or (chemical adj mechanical adj polish\$4)) or ((((capacitor or capacitors)) or (DRAM\$1 or (dynamic adj random adj access adj memor\$4) or dynamic-random-acces-memor\$4)) and (((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) or (ferrodielectric\$1 or (ferro adj dielectric\$3)) or (ferrodielectric\$1 or (ferro adj dielectric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$3 or ferro-electric\$3 or (ferro adj electric\$3) or (ferro adj dielectric\$1)) not ((((((ferroelectric\$3) or ferro-electric\$3) or (ferro adj electric\$3)) or (ferro adj electric\$3)) or (ferrodielectric\$1)) not (((((ferroelectric\$3) or ferro-electric\$3 or ferro-electric\$3 or ferro-electric\$3 or ferro-adj electric\$3)) or (ferro adj electric\$3)) or (ferrodielectric\$1)) or ferrodielectric\$1 or (ferro adj dielectric\$1)) or Ferrodielectric\$1 or ferro-dielectric\$3 or ferro-adj electric\$3) or (ferro adj electric\$3)) or (ferrodielectric\$3) or ferro-dielectric\$3 or ferro-dielectric\$3 or ferro-adj electric\$3) or ferro-dielectric\$3 or ferro-adj electric\$3) or ferro-dielectric\$3 or ferro-dielectric\$3 or ferro-adj electric\$3) or ferro-dielectric\$3 or ferro-dielectric\$3 or ferro-adj electric\$3) or ferro-dielectric\$3 or ferro-dielectric\$1 or ferro adj electric\$3) or ferro-dielectric\$3 or ferro-dielectric\$1 or (ferro adj electric\$3))) or ferrodielectric				
ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj ((random adj access adj memor\$4) or RAM\$1) or FeRAM\$1 or Fe-RAM\$1) or (((ferroelectric\$3 or ferro-electric\$3 or (ferro adj dielectric\$1)) or Fe) adj (eapacitor or capacitors))) and ((bottom or lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj dielectric\$1)))) and ((ferroelectric\$3 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj polish\$4 or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4))) or ((((toptom or lower) adj (electrode\$1 or plate\$1))) with (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$5 or chemical-mechanical-polish\$4) and ((((capacitor or capacitors)) or (DRAM\$1 or (dynamic adj random adj access adj memor\$4) or dynamic-random-access-memor\$4)) and ((ferroelectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1))) and (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)) and ((bottom or lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) NOT (((((((ferroelectric\$3 or ferro-dielectric\$3)) or (ferro adj dielectric\$1))) or Fe) adj ((random adj access adj memor\$4) or Adm\$1 or Fe-RAM\$1) or (((ferroelectric\$3 or ferro-dielectric\$3)) or (ferro adj dielectric\$1))) or Fe) adj ((random adj access adj memor\$4)) and ((top or or plate\$1))) or Fe) adj ((random adj access adj memor\$4)) or (ferro adj dielectric\$1)) or Fe) adj (capacitor or or capacitors)) or (ferro adj dielectric\$1)) or Fe) adj (capacitor or or capacitors))) and ((bottom or lower) adj (electrode\$1 or plate\$1)) and ((bottom or lower) adj (electrode\$1 or plate\$1))) and ((ferroelectric\$3 or ferro-dielectric\$3 or (ferro adj dielectric\$1))) or (ferrodielectric\$1 or (ferro adj dielectric\$3)) or (ferrodielectric\$3 or ferro-dielectric\$3 or (ferro adj dielectric\$3))) or (ferrodielectric\$3 or ferro-dielectric\$3 or (ferro				
access adj memor\$4) or RAM\$1)) or FeRAM\$1 or FeRAM\$1) or ((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) or ((((ferroelectric\$1) or ferro-dielectric\$1)) or Fe) adj ((capacitor or capacitors))) and (((bottom or lower) adj ((electrod\$1 or plate\$1))) and ((((ferroelectric\$3))) and ((((ferroelectric\$3))) and (((ferroelectric\$3))) ard (((ferroelectric\$3))) ard (((ferroelectric\$3))) ard ((ferroelectric\$3)) or ((ferrodelectric\$1))) ard ((CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4))) or ((((((bottom or lower) adj (electrod\$1)) ard (((((capacitor or capacitors))) or (((((bottom or lower) adj (electrod\$1)))) and (((((((capacitor or capacitors))))) or (((((((apacitor or capacitors))))) or ((((((((apacitor or capacitors)))))) or ((((((((((((((((((((((((((((((
((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1) or (ferro adj dielectric\$3)) or (ferrodielectric\$3) or (ferro adj dielectric\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1)) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) and (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4))) or (((bottom or lower) adj (electrode\$1 or plate\$1)) with (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)) and ((((capacitor or capacitors) or (DRAM\$1 or (dynamic adj random adj access adj memor\$4) or dynamic-random-access-memor\$4)) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) or (ferrodielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)) and ((bottom or lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) NOT (((((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) or (ferrodielectric\$1) or ferro-dielectric\$1 or (ferro adj electric\$3)) or (ferrodielectric\$1) or ferro-dielectric\$3 or (ferro adj electric\$3)) or (ferro adj electric\$3)) or (ferrodielectric\$1)) or Fe) adj ((random adj access adj memor\$4) or RAM\$1)) or FeRAM\$1 or Fe-RAM\$1 or ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$1))) or Fe) adj (electrode\$1 or plate\$1))) and ((bottom or lower) adj (electrode\$1 or plate\$1))) and ((bottom or lower) adj (electrode\$1 or plate\$1))) and ((forroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$1))) or ferro-dielectric\$1)) or ferro-dielectric\$1) or (ferro adj electric\$1))) or ferro-dielectric\$1) or (ferro adj electric\$3)) or (ferrodielectric\$1)) or ferro-dielectric\$1) or (ferro adj electric\$3)) or (ferrodielectric\$1)) or ferro-dielectric\$1) or (fe			IBM_TDB	
(Ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or lower) adj (electrode\$1 or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) or (ferrodielectric\$1 or ferro-dielectric\$3 or (ferro adj dielectric\$3))) and (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4))) or ((((bottom or lower) adj (electrode\$1 or plate\$1))) with (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)) and (((((capacitor or capacitors) or (DRAM\$1 or (dynamic adj random adj access adj memor\$4) or dynamic-random-access-memor\$4)) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) or (ferrodielectric\$1) or (chemical adj mechanical adj polish\$4)) and ((CMP or "CMP" or (chemical adj mechanical adj polish\$4)) and ((compacitor or lower) adj (electrods\$1 or plate\$1)) and ((top or upper) adj (electrods\$1 or plate\$1))) and (CMP or "CMP" or (chemical-mechanical-polish\$4))) and ((bottom or lower) adj (electrods\$1 or plate\$1)) and ((top or upper) adj (electrods\$1) or plate\$1))) or ((((((((ferroelectric\$3) or (ferro adj electric\$3))) or (ferrodielectric\$1)) or Fe) adj ((random adj access adj memor\$4) or RAM\$1)) or FeRAM\$1 or Fe-RAM\$1) or ((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$1))) or Fe) adj (electrods\$1 or plate\$1))) and ((for or upper) adj (electrods\$1 or plate\$1))) and ((bottom or lower) adj (electrods\$1 or plate\$1))) and ((for or upper) adj (electrods\$1 or plate\$1))) and ((formoelectric\$1) or (ferro adj electric\$3)) or (ferrodelectric\$1) or (ferro adj electric\$1))) and (CMP or "CMP" or				
adj (capacitor or capacitors))) and ((bottom or lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1) or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4))) or (((tottom or lower) adj (electrode\$1 or plate\$1))) with (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4) and ((((capacitor or capacitors) or (DRAM\$1 or (dynamic adj random adj access adj memor\$4) or dynamic-random-access-memor\$4)) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) or (ferrodielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj polish\$4)) and ((bottom or lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) nd (((((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) or (ferrodielectric\$1 or ferro-dielectric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-electric\$3 or ferro-electric\$3 or (ferro adj electric\$1))) or FeRAM\$1 or Fe-RAM\$1) or ((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or ferrodielectric\$1 or ferro-dielectric\$3 or (ferro adj electric\$3))) or ferrodielectric\$1 or ferro-dielectric\$3 or (ferro adj electric\$3))) or ferrodielectric\$1 or ferro-dielectric\$3 or (ferro adj electrode\$1 or plate\$1))) and (((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electrode\$1 or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electrode\$1 or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electrode\$1 or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electrode\$1 or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) and (OMP or "CMP" or (chemical adj mechanical adj		(((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or		
plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4))) or ((((bottom or lower) adj (electrode\$1 or plate\$1))) with (CMP or "CMP" or (chemical adj mechanical adj polish\$4)) and (((((capacitor or capacitors) or (DRAM\$1 or (dynamic adj random adj access adj memor\$4) or dynamic-random-access-memor\$4)) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)) and ((bottom or lower) adj (electrode\$1 or plate\$1))) and ((top or upper) adj (electrode\$1 or plate\$1))) NOT ((((((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$1))) or Feand((random adj access adj memor\$4) or RAM\$1)) or FeRAM\$1 or Fe-RAM\$1) or ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$1)) or Fe) adj ((random adj access adj memor\$4) or RAM\$1)) or FeRAM\$1 or Fe-RAM\$1) or ((ferroelectric\$1 or ferro-dielectric\$1 or (ferro adj electric\$3)) or (ferrodielectric\$1)) or ferro-dielectric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1)) or ferro-electric\$3 or (ferro adj electric\$1))) and ((bottom or lower) adj (electrode\$1 or plate\$1))) and ((for or upper) adj (electrode\$1 or plate\$1))) and (for or o		(ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe)		
((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4))) or ((((bottom or lower) adj (electrode\$1 or plate\$1)) with (CMP or "CMP" or (chemical adj mechanical adj polish\$4) and ((((capacitor or capacitors) or (DRAM\$1 or (dynamic adj random adj access adj memor\$4) or dynamic-random-access-memor\$4)) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj electric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)) and ((bottom or lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) NOT (((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$3)) or (ferrodielectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1)) or ferro-dielectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1)) or ferro-dielectric\$1 or (ferro adj electric\$3)) or (ferrodielectric\$1)) or ferro-dielectric\$1 or ferro-dielectric\$1 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj electric\$3)) or (ferrodelectric\$1 or ferro-dielectric\$1 or ferro-dielectric\$3 or ferro-dielectric\$3 or ferro-dielectric\$3 or ferro-dielectric\$3 or ferro-dielectric\$3 or ferro-dielec		adj (capacitor or capacitors))) and ((bottom or lower) adj (electrode\$1 or		
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or planariz\$8 or chemical-mechanical-polish\$4))) or ((((bottom or lower) adj (electrode\$1 or plate\$1)) with (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)) and (((((capacitor or capacitors) or (DRAM\$1 or (dynamic adj random adj access adj memor\$4) or dynamic-random-access-memor\$4)) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)) and ((bottom or lower) adj (electrode\$1 or plate\$1))) NOT (((((((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj ((random adj access adj memor\$4) or RAM\$1)) or FeRAM\$1 or Fe-RAM\$1 or (((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) or (ferrodielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or lower) adj (electrode\$1 or plate\$1))) and ((for or upper) adj (electrode\$1 or plate\$1))) and ((for or upper) adj (electrode\$1 or plate\$1))) or ferro-electric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-electric\$3 or (ferro adj electric\$3)) or ferro-electric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or ferro-electric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj electric\$1))) or ferrodielectric\$1 or (ferrodielectric\$1 or (ferrodielectric\$1 or (ferrodielectric\$1 or (ferrodie		(ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and		
lower) adj (electrode\$1 or plate\$1)) with (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)) and (((((capacitor or capacitors) or (DRAM\$1 or (dynamic adj random adj access adj memor\$4) or dynamic-random-access-memor\$4)) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1))) and (CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)) and ((bottom or lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) NOT (((((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3))) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj ((random adj access adj memor\$4) or RAM\$1)) or FeRAM\$1 or Fe-RAM\$1 or (((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1)) and ((forp or upper) adj (electrode\$1 or plate\$1))) and ((forp or upper) adj (electrode\$1 or (ferro adj electric\$3)) or (ferrodielectric\$1 or (ferro adj electric\$3))		(CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4		
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(ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj ((random adj access adj memor\$4) or RAM\$1) or FeRAM\$1 or Fe-RAM\$1) or (((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj				
Fe-RAM\$1) or (((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj				
electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj		adj ((random adj access adj memor\$4) or RAM\$1)) or FeRAM\$1 or		
electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj		Fe-RAM\$1) or (((ferroelectric\$3 or ferro-electric\$3 or (ferro adj		
dielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj				
lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj				
or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj				
electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj			:	
dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj				
		polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4))))		

-	364	((((((capacitor or capacitors) or (DRAM\$1 or (dynamic adj random adj	USPAT;	2004/06/16 10:18
!		access adj memor\$4) or dynamic-random-access-memor\$4)) and	US-PGPUB;	
		((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or	ЕРО; ЛРО;	
		(ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and	DERWENT;	
		(CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4	IBM_TDB	
		or planariz\$8 or chemical-mechanical-polish\$4)) and ((bottom or lower)	_	
		adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1 or		
		plate\$1))) NOT (((((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj		
		electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj		
		dielectric\$1)) or Fe) adj ((random adj access adj memor\$4) or RAM\$1))		
		or FeRAM\$1 or Fe-RAM\$1) or (((ferroelectric\$3 or ferro-electric\$3 or		
		(ferro adj electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro		
		adj dielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or		
		lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1		
		or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj		
	1	electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj		
		dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj		
		polish\$4) or polish\$4 or planariz\$8 or chemical-mechanical-polish\$4)))		
j .		NOT (((((bottom or lower) adj (electrode\$1 or plate\$1)) with (CMP or		
]		"CMP" or (chemical adj mechanical adj polish\$4) or polish\$4 or		
1		planariz\$8 or chemical-mechanical-polish\$4)) and (((((((ferroelectric\$3	}	
		or ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or		
		ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe) adj ((random adj		
		access adj memor\$4) or RAM\$1)) or FeRAM\$1 or Fe-RAM\$1) or		
		(((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or		
		(ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe)		
		adj (capacitor or capacitors))) and ((bottom or lower) adj (electrode\$1 or		
		plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) and		
		((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or		
		(ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and		
		(CMP or "CMP" or (chemical adj mechanical adj polish\$4) or polish\$4	•	
		or planariz\$8 or chemical-mechanical-polish\$4))) or ((((bottom or		
		lower) adj (electrode\$1 or plate\$1)) with (CMP or "CMP" or (chemical		1
		adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or		
		chemical-mechanical-polish\$4)) and ((((((capacitor or capacitors) or		
		(DRAM\$1 or (dynamic adj random adj access adj memor\$4) or		
		dynamic-random-access-memor\$4)) and ((ferroelectric\$3 or		
		ferro-electric\$3 or (ferro adj electric\$3)) or (ferrodielectric\$1 or		
		ferro-dielectric\$1 or (ferro adj dielectric\$1)))) and (CMP or "CMP" or		
		(chemical adj mechanical adj polish\$4) or polish\$4 or planariz\$8 or		
		chemical-mechanical-polish\$4)) and ((bottom or lower) adj (electrode\$1		
		or plate\$1)) and ((top or upper) adj (electrode\$1 or plate\$1))) NOT		
		(((((((((ferroelectric\$3 or ferro-electric\$3 or (ferro adj electric\$3)) or		
		(ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj dielectric\$1)) or Fe)		
		adj ((random adj access adj memor\$4) or RAM\$1)) or FeRAM\$1 or		
		Fe-RAM\$1) or (((ferroelectric\$3 or ferro-electric\$3 or (ferro adj		
		electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj		
		dielectric\$1)) or Fe) adj (capacitor or capacitors))) and ((bottom or		
		lower) adj (electrode\$1 or plate\$1)) and ((top or upper) adj (electrode\$1		
		or plate\$1))) and ((ferroelectric\$3 or ferro-electric\$3 or (ferro adj		
		electric\$3)) or (ferrodielectric\$1 or ferro-dielectric\$1 or (ferro adj		
		dielectric\$1)))) and (CMP or "CMP" or (chemical adj mechanical adj		
1		polish\$4) or polish\$4 or planariz\$8 or		
]		chemical-mechanical-polish\$4)))))		
_	1278	(438/3).CCLS.	USPAT;	2004/06/16 17:14
1	12/8	(130/3),00±0.	US-PGPUB	250 1100/10 17.14
	1055	(438/240).CCLS.	USPAT;	2004/06/16 17:15
-	1033	(¬3012¬0),CCLS.	US-PGPUB	2007/00/10 17.13
	<u> </u>	<u> </u>	OB-LOLOD	